ABSTRACT OF THE DISCLOSURE

A wireless network planning tool simulates wireless network operation, including subscriber admission processing based resource reservation procedures. Simulated subscribers are associated with an application type. Application types are broadly categorized

5   as either voice type or data type applications. Subscribers of both types are simultaneously simulated. During subscriber admission processing, the CDMA planner attempts to admit simulated subscribers to individual sectors or base stations. At each sector, a percentage of the total forward power capacity is reserved for voice users, and a second or remaining percentage may be reserved for data users. When admitting a voice user to a sector with insufficient

10   remaining power in its voice bucket, the CDMA planner may borrow from the power bucket reserved for data users. Setting aside a power bucket for voice users at each sector insures that one or a few high data rate users do not consume all available resources in a sector.